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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/701,232DATE: 03/25/2002  
TIME: 10:19:21Input Set : A:\pf0525usn.seq.txt  
Output Set: N:\CRF3\03252002\I701232.raw

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4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
5   LAL, Preeti
6   HILLMAN, Jennifer L.
7   GORGONE, Gina
8   CORLEY, Neil C.
9   PATTERSON, Chandra
10  YUE, Henry
11  TANG, Y. Tom
12  AZIMZAI, Yalda
14 <120> TITLE OF INVENTION: HUMAN SOCS PROTEINS
16 <130> FILE REFERENCE: PF-0525 PCT
C--> 18 <140> CURRENT APPLICATION NUMBER: US/09/701,232
C--> 19 <141> CURRENT FILING DATE: 2000-11-21
21 <150> PRIOR APPLICATION NUMBER: 60/087,104; 09/216,006
W--> 22 <151> PRIOR FILING DATE: 1998-05-28; 1998-12-17
24 <160> NUMBER OF SEQ ID NOS: 18
26 <170> SOFTWARE: PERL Program
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 288
30 <212> TYPE: PRT
31 <213> ORGANISM: Homo sapiens
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <223> OTHER INFORMATION: Incyte clone 1758450
37 <400> SEQUENCE: 1
38 Met Ser Ser Ser Met Trp Tyr Ile Met Gln Ser Ile Gln Ser Lys
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40 Tyr Ser Leu Ser Glu Arg Leu Ile Arg Thr Ile Ala Ala Ile Arg
41   20           25           30
42 Ser Phe Pro His Asp Asn Val Glu Asp Leu Ile Arg Gly Gly Ala
43   35           40           45
44 Asp Val Asn Cys Thr His Gly Thr Leu Lys Pro Leu His Cys Ala
45   50           55           60
46 Cys Met Val Ser Asp Ala Asp Cys Val Glu Leu Leu Leu Glu Lys
47   65           70           75
48 Gly Ala Glu Val Asn Ala Leu Asp Gly Tyr Asn Arg Thr Ala Leu
49   80           85           90
50 His Tyr Ala Ala Glu Lys Asp Glu Ala Cys Val Glu Val Leu Leu
51   95          100          105
52 Glu Tyr Gly Ala Asn Pro Asn Ala Leu Asp Gly Asn Arg Asp Thr
53  110          115          120
54 Pro Leu His Trp Ala Ala Phe Lys Asn Asn Ala Glu Cys Val Arg
55  125          130          135
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56 Ala Leu Leu Glu Ser Gly Ala Ser Val Asn Ala Leu Asp Tyr Asn
57                               140 145 150
58 Asn Asp Thr Pro Leu Ser Trp Ala Ala Met Lys Gly Asn Leu Glu
59                               155 160 165
60 Ser Val Ser Ile Leu Leu Asp Tyr Gly Ala Glu Val Arg Val Ile
61                               170 175 180
62 Asn Leu Ile Gly Gln Thr Pro Ile Ser Arg Leu Val Ala Leu Leu
63                               185 190 195
64 Val Arg Gly Leu Gly Thr Glu Lys Glu Asp Ser Cys Phe Glu Leu
65                               200 205 210
66 Leu His Arg Ala Val Gly His Phe Glu Leu Arg Lys Asn Gly Thr
67                               215 220 225
68 Met Pro Arg Glu Val Ala Arg Asp Pro Gln Leu Cys Glu Lys Leu
69                               230 235 240
70 Thr Val Leu Cys Ser Ala Pro Gly Thr Leu Lys Thr Leu Ala Arg
71                               245 250 255
72 Tyr Ala Val Arg Arg Ser Leu Gly Leu Gln Tyr Leu Pro Asp Ala
73                               260 265 270
74 Val Lys Gly Leu Pro Leu Pro Ala Ser Leu Lys Glu Tyr Leu Leu
75                               275 280 285
76 Leu Leu Glu
81 <210> SEQ ID NO: 2
82 <211> LENGTH: 423
83 <212> TYPE: PRT
84 <213> ORGANISM: Homo sapiens
86 <220> FEATURE:
87 <221> NAME/KEY: misc_feature
88 <223> OTHER INFORMATION: Incyte clone 1834242
90 <400> SEQUENCE: 2
91 Met Lys Leu Thr Pro Arg Thr Ala Gly Arg Ala Trp Ala Gln Ser
92   1                               5 10 15
93 Arg Lys Gly Lys Arg Ser Ser Trp Gly Gly Thr Ala Ala Val Ala
94                               20 25 30
95 Glu Leu Lys Pro Gly Arg Pro His Gln Phe Asp Trp Lys Ser Ser
96                               35 40 45
97 Cys Glu Thr Trp Ser Val Ala Phe Ser Pro Asp Gly Ser Trp Phe
98                               50 55 60
99 Ala Trp Ser Gln Gly His Cys Ile Val Lys Leu Ile Pro Trp Pro
100                              65 70 75
101 Leu Glu Glu Gln Phe Ile Pro Lys Gly Phe Glu Ala Lys Ser Arg
102                              80 85 90
103 Ser Ser Lys Asn Glu Thr Lys Gly Arg Gly Ser Pro Lys Glu Lys
104                              95 100 105
105 Thr Leu Asp Cys Gly Gln Ile Val Trp Gly Leu Ala Phe Ser Pro
106                              110 115 120
107 Trp Pro Ser Pro Pro Ser Arg Lys Leu Trp Ala Arg His His Pro
108                              125 130 135
109 Gln Val Pro Asp Val Ser Cys Leu Val Leu Ala Thr Gly Leu Asn
110                              140 145 150

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111 Asp Gly Gln Ile Lys Ile Trp Glu Val Gln Thr Gly Leu Leu Leu 165
112 155 160
113 Leu Asn Leu Ser Gly His Gln Asp Val Val Arg Asp Leu Ser Phe 180
114 170 175
115 Thr Pro Ser Gly Ser Leu Ile Leu Val Ser Ala Ser Arg Asp Lys 195
116 185 190
117 Thr Leu Arg Ile Trp Asp Leu Asn Lys His Gly Lys Gln Ile Gln 210
118 200 205
119 Val Leu Ser Gly His Leu Gln Trp Val Tyr Cys Cys Ser Ile Ser 225
120 215 220
121 Pro Asp Cys Ser Met Leu Cys Ser Ala Ala Gly Glu Lys Ser Val 240
122 230 235
123 Phe Leu Trp Ser Met Arg Ser Tyr Thr Leu Ile Arg Lys Leu Glu 255
124 245 250
125 Gly His Gln Ser Ser Val Val Ser Cys Asp Phe Ser Pro Asp Ser 270
126 260 265
127 Ala Leu Leu Val Thr Ala Ser Tyr Asp Thr Asn Val Ile Met Trp 285
128 275 280
129 Asp Pro Tyr Thr Gly Glu Arg Leu Arg Ser Leu His His Thr Gln 300
130 290 295
131 Val Asp Pro Ala Met Asp Asp Ser Asp Val His Ile Ser Ser Leu 315
132 305 310
133 Arg Ser Val Cys Phe Ser Pro Glu Gly Leu Tyr Leu Ala Thr Val 330
134 320 325
135 Ala Asp Asp Arg Leu Leu Arg Ile Trp Ala Leu Glu Leu Lys Thr 345
136 335 340
137 Pro Ile Ala Phe Ala Pro Met Thr Asn Gly Leu Cys Cys Thr Phe 360
138 350 355
139 Phe Pro His Gly Gly Val Ile Ala Thr Gly Thr Arg Asp Gly His 375
140 365 370
141 Val Gln Phe Trp Thr Ala Pro Arg Val Leu Ser Ser Leu Lys His 390
142 380 385
143 Leu Cys Arg Lys Ala Leu Arg Ser Phe Leu Thr Thr Tyr Gln Val 405
144 395 400
145 Leu Ala Leu Pro Ile Pro Lys Lys Met Lys Glu Phe Leu Thr Tyr 420
146 410 415
147 Arg Thr Phe
151 <210> SEQ ID NO: 3
152 <211> LENGTH: 349
153 <212> TYPE: PRT
154 <213> ORGANISM: Homo sapiens
156 <220> FEATURE:
157 <221> NAME/KEY: misc_feature
158 <223> OTHER INFORMATION: Incyte clone 1849725
160 <400> SEQUENCE: 3
161 Met Glu Asp Pro Gln Ser Lys Glu Pro Ala Gly Glu Ala Val Ala 15
162 1 5 10
163 Pro Ala Leu Leu Glu Ser Pro Arg Pro Glu Gly Gly Glu Glu Pro 30
164 20 25

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165 Pro Arg Pro Ser Pro Glu Glu Thr Gln Gln Cys Lys Phe Asp Gly 45
166 35 40
167 Gln Glu Thr Lys Gly Ser Lys Phe Ile Thr Ser Ser Ala Ser Asp 60
168 50 55
169 Phe Ser Asp Pro Val Tyr Lys Glu Ile Ala Ile Thr Asn Gly Cys 75
170 65 70
171 Ile Asn Arg Met Ser Lys Glu Glu Leu Arg Ala Lys Leu Ser Glu 90
172 80 85
173 Phe Lys Leu Glu Thr Arg Gly Val Lys Asp Val Leu Lys Lys Arg 105
174 95 100
175 Leu Lys Asn Tyr Tyr Lys Lys Gln Lys Leu Met Leu Lys Glu Ser 120
176 110 115
177 Asn Phe Ala Asp Ser Tyr Tyr Asp Tyr Ile Cys Ile Ile Asp Phe 135
178 125 130
179 Glu Ala Thr Cys Glu Glu Gly Asn Pro Pro Glu Phe Val His Glu 150
180 140 145
181 Ile Ile Glu Phe Pro Val val Leu Leu Asn Thr His Thr Leu Glu 165
182 155 160
183 Ile Glu Asp Thr Phe Gln Gln Tyr Val Arg Pro Glu Ile Asn Thr 180
184 170 175
185 Gln Leu Ser Asp Phe Cys Ile Ser Leu Thr Gly Ile Thr Gln Asp 195
186 185 190
187 Gln Val Asp Arg Ala Asp Thr Phe Pro Gln Val Leu Lys Lys Val 210
188 200 205
189 Ile Asp Trp Met Lys Leu Lys Glu Leu Gly Thr Lys Tyr Lys Tyr 225
190 215 220
191 Ser Leu Leu Thr Asp Gly Ser Trp Asp Met Ser Lys Phe Leu Asn 240
192 230 235
193 Ile Gln Cys Gln Leu Ser Arg Leu Lys Tyr Pro Pro Phe Ala Lys 255
194 245 250
195 Lys Trp Ile Asn Ile Arg Lys Ser Tyr Gly Asn Phe Tyr Lys Val 270
196 260 265
197 Pro Arg Ser Gln Thr Lys Leu Thr Ile Met Leu Glu Lys Leu Gly 285
198 275 280
199 Met Asp Tyr Asp Gly Arg Pro His Cys Gly Leu Asp Asp Ser Lys 300
200 290 295
201 Asn Ile Ala Arg Ile Ala Val Arg Met Leu Gln Asp Gly Cys Glu 315
202 305 310
203 Leu Arg Ile Asn Glu Lys Met His Ala Gly Gln Leu Met Ser Val 330
204 320 325
205 Ser Ser Ser Leu Pro Ile Glu Gly Thr Pro Pro Pro Gln Met Pro 345
206 335 340
207 His Phe Arg Lys
212 <210> SEQ ID NO: 4
213 <211> LENGTH: 355
214 <212> TYPE: PRT
215 <213> ORGANISM: Homo sapiens
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature

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219 <223> OTHER INFORMATION: Incyte clone 2547840

221 <400> SEQUENCE: 4

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223	1				5					10				15		
224	Ser	Ala	Ala	Arg	Arg	Asp	Ala	Asp	Ala	Arg	Ala	Val	Ala	Leu	Ala	
225					20					25				30		
226	Gly	Ser	Thr	Asn	Trp	Gly	Tyr	Asp	Ser	Asp	Gly	Gln	His	Ser	Asp	
227					35					40				45		
228	Ser	Asp	Ser	Asp	Pro	Glu	Tyr	Ser	Thr	Leu	Pro	Pro	Ser	Ile	Pro	
229					50					55				60		
230	Ser	Ala	Val	Pro	Val	Thr	Gly	Glu	Ser	Phe	Cys	Asp	Cys	Ala	Gly	
231					65					70				75		
232	Gln	Ser	Glu	Ala	Ser	Phe	Cys	Ser	Ser	Leu	His	Ser	Ala	His	Arg	
233					80					85				90		
234	Gly	Arg	Asp	Cys	Arg	Cys	Gly	Glu	Glu	Asp	Glu	Tyr	Phe	Asp	Trp	
235					95					100				105		
236	Val	Trp	Asp	Asp	Leu	Asn	Lys	Ser	Ser	Ala	Thr	Leu	Leu	Ser	Cys	
237					110					115				120		
238	Asp	Asn	Arg	Lys	Val	Ser	Phe	His	Met	Glu	Tyr	Ser	Cys	Gly	Thr	
239					125					130				135		
240	Ala	Ala	Ile	Arg	Gly	Thr	Lys	Glu	Leu	Gly	Glu	Gly	Gln	His	Phe	
241					140					145				150		
242	Trp	Glu	Ile	Lys	Met	Thr	Ser	Pro	Val	Tyr	Gly	Thr	Asp	Met	Met	
243					155					160				165		
244	Val	Gly	Ile	Gly	Thr	Ser	Asp	Val	Asp	Leu	Asp	Lys	Tyr	Arg	His	
245					170					175				180		
246	Thr	Phe	Cys	Ser	Leu	Leu	Gly	Arg	Asp	Glu	Asp	Ser	Trp	Gly	Leu	
247					185					190				195		
248	Ser	Tyr	Thr	Gly	Leu	Leu	His	His	Lys	Gly	Asp	Lys	Thr	Ser	Phe	
249					200					205				210		
250	Ser	Ser	Arg	Phe	Gly	Gln	Gly	Ser	Ile	Ile	Gly	Val	His	Leu	Asp	
251					215					220				225		
252	Thr	Trp	His	Gly	Thr	Leu	Thr	Phe	Phe	Lys	Asn	Arg	Lys	Cys	Ile	
253					230					235				240		
254	Gly	Val	Ala	Ala	Thr	Lys	Leu	Gln	Asn	Lys	Arg	Phe	Tyr	Pro	Met	
255					245					250				255		
256	Val	Cys	Ser	Thr	Ala	Ala	Arg	Ser	Ser	Met	Lys	Val	Thr	Arg	Ser	
257					260					265				270		
258	Cys	Ala	Ser	Ala	Thr	Ser	Leu	Gln	Tyr	Leu	Cys	Cys	His	Arg	Leu	
259					275					280				285		
260	Arg	Gln	Leu	Arg	Pro	Asp	Ser	Gly	Asp	Thr	Leu	Glu	Gly	Leu	Pro	
261					290					295				300		
262	Leu	Pro	Pro	Gly	Leu	Lys	Gln	Val	Leu	His	Asn	Lys	Leu	Gly	Trp	
263					305					310				315		
264	Val	Leu	Ser	Met	Ser	Cys	Ser	Arg	Arg	Lys	Ala	Pro	Val	Ser	Asp	
265					320					325				330		
266	Pro	Gln	Ala	Ala	Thr	Ser	Ala	His	Pro	Ser	Ser	Arg	Glu	Pro	Arg	
267					335					340				345		
268	Pro	Cys	Gln	Arg	Lys	Arg	Cys	Arg	Arg	Thr						

## VERIFICATION SUMMARY

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DATE: 03/25/2002

TIME: 10:19:23

Input Set : A:\pf0525usn.seq.txt

Output Set: N:\CRF3\03252002\I701232.raw

L:18 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:22 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD